

## UNITED STATES PATENT AND TRADEMARK OFFICE



APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO	CONFIRMATION NO.
10/055,310	01/22/2002	Hamid Noorbekhah	4150D1/ETCH/DRIE/JB1	9294
32543 7	990 01/22/2004		EXAMINER	
APPLIED MATERIALS, INC. 2881 SCOTT BLVD. M/S 2061		ALEJANDRO MULERO, LUZ L		
	A. CA 95050		ART UNIT	PAPER NUMBER

DATE MAILED: 01/22/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Advisory Action

Application No. Applicant(s) 10/055 310 NOORRAKHSH ET AL Eveminer Art Unit Luz L Aleiandro 1763

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 15 December 2003. FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal feet, or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

## PERIOD FOR REPLY [check either a) or b)]

The period for reply expires \_\_\_\_ months from the malling date of the final rejection.

b) M The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final relaction. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The segmentate extension fee under 37 CFR 1.17(a) is calcutated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in this show if checked. Any reply received by the Office later than three months after the malling date of the final relection even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

- 1. A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
- 2. The proposed amendment(s) will not be entered because:
  - - (a) they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b) They raise the issue of new matter (see Note below):
  - (c) they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
- (d) they present additional claims without canceling a corresponding number of finally rejected claims.

  NOTE: See Continuation Sheet. With the continuation Sheet. With the continuation Sheet. objection
- 3. Applicant's reply has overcome the following sejection(s): the objection to the drawings and to the specification.
- 4. Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s). 5. 

  ✓ The a V affidavit, b V exhibit, or c V request for reconsideration has been considered but does NOT place the
- application in condition for allowance because: See Continuation Sheet. 6 \(\sum \) The affidavit or exhibit will NOT be considered because it is not directed SQLELY to issues which were newly.
- raised by the Examiner in the final rejection. 7. 

  ✓ For purposes of Appeal, the proposed amendment(s) a) 

  ✓ will not be entered or b) 

  ✓ will be entered and an
  - explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: .

Claim(s) objected to:

Claim(s) rejected: 1-39.

- Claim(s) withdrawn from consideration: \_\_\_\_\_ 8. ☐ The drawing correction filed on Is a) ☐ approved or b) ☐ disapproved by the Examiner.
- 9. Note the attached information Disclosure Statement(s)( PTO-1449) Paper No(s).

10. Other: \_\_\_\_

Olle Schaus Primary Examine

Art Unit: 1763

Continuation of 2. NOTE: the amendment to the claims, for example claim 36, raise new issues that would require further consideration and/or search.

Continuation of 5, does NOT place the application in condition for allowance because: Applicant argues with respect to claims 1-3 and 5 that the combination of Shan et al. and Lee is improper. In response to applicant's arguments against the references individually, one cannot show nonchviousness by attacking references includually where the rejections are based on combinations of references. See in re Kaller, 642 F.2d 413, 208 USPQ 871 (CCPA 1981); in re Merck & Co., 800 F.2d 1091, 231 USPQ 375 (Fed. Cir. 1988). Furthermore. as broadly interpreted, Shan et al. does disclose a passage in the inner liner wall, as stated by the examiner (see fig. 1). While this can b considered a passage as pointed out by the examiner, the passage being relied upon by the examiner to show the inlet and outlet adapte to circulate a fluid through as required by independent claim 1 is shown and described in the secondary reference of Lee. Moreover, the secondary reference of Lee provides motivation to modify Shan et al. so as to control the temperatures exposed to the pases (plasma). Since the apparatus of Shan is cylindrical, it follows that the passages would need to be annular to cover the exposed surfaces. Concerning applicant's statement that neither Shan et al. or Lee teach liners, it is clear in fig. 1 that a liner covers the walls of the apparatus, and therefore it would be necessary to control the temperature of this liner since it is the object exposed to the plasma. In response to applicant's argument that the examiner's conclusion of obviousness is based upon improper bindsight responding, it must be recognized that any judgment on obviousness is in a sense necessarily a reconstruction based upon hindsight reasoning. But so long as it takes into account only knowledge which was within the level of ordinary skill at the time the claimed invention was made, and does not include knowledge gleaned only from the applicant's disclosure, such a reconstruction is proper. See In re McLaughtin, 443 F.2d 1392. 170 USPQ 209 (CCPA 1971).

Concoming claims 11-12, 14-17, and 20-23, applicant argues that both Sham and Los fill to suppose a chainster liner adopted to be removably disposed in a processing region and having a base for establishing yearing the bottom of the processing chainster and a passage formed all wast partially in the bissor. As for this level series premovable, if appears from Sham that the liter in the printing reflective processing chainster and a passage in the series of the printing reflective processing chainster and a processing chain and a processing chainster and a processing chain and a processing chainster and a processing chainster and a processing chain and a processing chainster and a processing chain and a pro

Concerning claim 4, applicant inspect had be referenced allow to our rendor unabhous be literation of 1% magnet disposed in the College of th

portion.
With respect to rejections involving the Relimbid of all reference, one cannot show nonobviousness by attacking references individually where the rejections are based on combinations of references. See In re Keller, 642 F.2d 413, 288 USPQ 871 (CCPA 1981); In re Merck. 8 Co. 80 P.2 of 1091; 231 USPQ 375 (FGA. Cr) 1980;

Concerning the rejection of claim 24 using the Banhotzer reference, applicant argues that Banhotzer teaches away from the Lee reference. However, the Lee reference is relied upon to show temperature control of the portions of the liner exposed to the plasma and therefore the rejection is still projection is still project.

Concerning the rejection of claims 11-12, 14-17, and 20-23, the base for covering the bottom of the processing chamber is shown by Sha et al. and the molyakinin for forming the passage in the base is provided by Massuda for the reasons in the final rejection and therefore the rejection is maintained.

Concerning the rejection of claims 11-12, 14-17, and 20-23, the base for covering the bottom of the processing chamber is shown by Pue

all end the motivation for forming the passage in the base is provided by Makauda for the reasons in the first rejection and representation is maintained.

Regarding the rejection of claims 18-19 over Pu et al. In view of Mesuda and further in view of Coillins, the base for covering the bottom of

reage army use rejection or casms 18-19 over Pu et al. In view of Mesuda and further in view of Coillins, the base for covering the bottom of the processing chamber is shown by Pu et al. and the motivation for forming the passage in the base is provided by Masuda for the reasons in the final rejection and therefore the rejection is maritalised.

With respect to the rejection of claim 24 using the Banhotzer reference in confunction with Pu et al., applicant argues that Pu et al and Banhotzer back may from each other. However, this inshipsis papears to be insocurate because the fact that particles do or do not adhere to the exposed portions appears to be more of a result of an infended use of the apparatus then a situatural limitation and it is not clear where Pu at al. discourages or becides the prevention of particles despoting on the exposed portions.

Concerning the rejection of claims 11-12, 14-17, and 20-23, the base for covering the bottom of the processing chamber is shown by Pu e al. and the motivation for forming the passage in the base is provided by Lee for the reasons in the final rejection end therefore the rejection is maintained.